

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	165/70.ccls. and multilayer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/13 13:50
L2	17	165/70.ccls. and 165/133.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/13 13:50
L3	9	("2772860").URPN.	USPAT	OR	ON	2008/10/13 13:52
L4	0	tube adj sheet same weep near hole	USPAT	OR	ON	2008/10/13 13:52
L5	0	tube near sheet with (weep)	USPAT	OR	ON	2008/10/13 13:52
L6	2	tube near sheet with (weep)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/13 13:52
L7	7	("2743089").URPN.	USPAT	OR	ON	2008/10/13 13:53
L13	23	165/180.ccls. and stainless same (ti or titanium or zr or zirconium)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/13 14:43
L14	24	(US-20030066631-\$). did. or (US-4744412-\$ or US-4635711-\$ or US-4182408-\$ or US-6334483-\$ or US-2145877-\$ or US-4848645-\$ or US-7048042-\$ or US-4333597-\$ or US-4071083-\$ or US-4617990-\$ or US-4401153-\$ or US-4288109-\$ or US-4368694-\$ or US-4082575-\$ or US-	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/13 15:17

		5874178-\$ or US- 4899813-\$ or US- 3568764-\$ or US- 4488342-\$ or US- 5181559-\$ or US- 4562887-\$ or US- 2772860-\$ or US- 2743089-\$).did. or (US- 3001766-\$).did.				
L15	14	14 and (thick or thickness or thin)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/13 15:18
L16	3	14 and (thick or thickness or thin) and mm	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/13 15:18
L17	11	14 and (thick or thickness or thin) with (tube or tubing or conduit)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/13 15:23
L18	9	165/180.ccls. and (ti or titanium or zr or zirconium) with (weld or welded)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/13 16:32
L19	5	165/180.ccls. and (liner or lining) with (weld or welded)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/13 16:33
L20	20	165/133.ccls. and (liner or lining) with (weld or welded)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/13 16:34
L21	11	165/133.ccls. and (tube or tubing or conduit or pipe) with (liner or lining) with (weld or welded)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/13 16:34
L22	16	"165".clas. and (tube or tubing or conduit or pipe) with (liner or lining) with (weld or welded) with sheet	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/13 16:35
L23	13	("3041152"   "3236888"   "3515520"   "4210600"   "4291104"   "4559207").PN. OR ("4899813").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/13 16:36
L24	10	14 and carbon	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/13 16:38
L37	1	("4899813").PN.	USPAT	OR	OFF	2008/10/13 17:49

S1	27	(165/70 or 165/11.1). ccls. and 165/133.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/11 14:24
S2	11	("4635711").PN. OR ("4744412").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 14:25
S3	42	("1447518"   "1852489"   "1961907"   "2187555"   "2365515"   "2441344"   "2545280"   "2703921"   "2730337"   "2768813"   "3074480"   "3386497"   "3568764"   "3605883"   "3651551"   "3706343"   "3830290"   "3948315"   "4054981"   "4194560"   "4210199"   "4237968"   "4242877"   "4252182"   "4275784").PN. OR ("4635711").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 14:26
S4	42	("1447518"   "1852489"   "1961907"   "2187555"   "2365515"   "2441344"   "2545280"   "2703921"   "2730337"   "2768813"   "3074480"   "3386497"   "3568764"   "3605883"   "3651551"   "3706343"   "3830290"   "3948315"   "4054981"	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 14:26

		"4194560"   "4210199"   "4237968"   "4242877"   "4252182"   "4275784").PN. OR ("4635711").URPN.				
S5	22	("2164628"   "2658728"   "2893701"   "3114415"   "3326279"   "3465727"   "3945431"   "4140172"   "4182408").PN. OR ("4252182").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 14:27
S6	18	("2743089"   "2915295"   "3114415").PN. OR ("4182408").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 14:28
S7	32	("2145877"   "2615688"   "2743089"   "2834581"   "2915295"   "3001766"   "3026256"   "3029796"   "3114415"   "3185210"   "3442060"   "3863708"   "4182408"   "4401153"   "5035283"   "5472046"   "5570741"   "5826647"   "5866083").PN. OR ("6334483").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 14:31
S8	1	("4899813").PN.	USPAT	OR	OFF	2008/06/11 14:32
S9	12	("2914346"   "3257710"   "3540529"   "3555656"   "4071083"   "4182408"   "4333597").PN. OR ("4848645").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 14:35

S10	18	("20020162651"   "20040182547"   "2228549"   "4526077"   "4738308"   "4848645"   "4881594"   "4948177"   "5036913"   "5044244"   "5295532"   "5445219"   "5749414"   "6269870"   "6330747"   "6749015").PN. OR ("7048042").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 14:35
S11	28	("1093435"   "1252585"   "1523194"   "2047633"   "2183043"   "2209975"   "2996600"   "2998640"   "3349465"   "3496629"   "3670140"   "3750747").PN. OR ("4071083").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 14:38
S12	9	("2785459"   "3257710"   "3440391"   "4071083"   "4221263").PN. OR ("4617990").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 14:39
S13	330	165/133.ccls. and (titanium or ti or zirconium or zr)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 14:46
S14	112	165/133.ccls. and (titanium or ti or zirconium or zr) with (layer or lining or coating)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 14:46
S15	89	165/133.ccls. and (titanium or ti) with (layer or lining or coating)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 14:48

S16	240	(corrosion or corrosive) with (coating or lining) with (zr or zirconium or ti or titanium) near2 alloy	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 16:11
S17	43	(corrosion or corrosive) with (coating or lining) near2 (zr or zirconium or ti or titanium) near2 alloy	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 16:11
S18	20	("2814717"   "2814718"   "3598550"   "3764277"   "4393122"   "4524989"   "4568484"   "4627960"   "5305946").PN. OR ("5874178").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 16:12
S19	17	(US-20030066631-\$). did. or (US-4744412-\$ or US-4635711-\$ or US-4252182-\$ or US-4182408-\$ or US-6334483-\$ or US-2145877-\$ or US-4848645-\$ or US-7048042-\$ or US-4333597-\$ or US-4071083-\$ or US-4617990-\$ or US-4401153-\$ or US-4288109-\$ or US-4368694-\$ or US-4082575-\$ or US-5874178-\$).did.	US-PGPUB; USPAT	OR	ON	2008/06/11 16:15
S20	11	S19 and stainless	US-PGPUB; USPAT	OR	ON	2008/06/11 16:15
S21	0	165/133.ccls. and tube adj sheet near3 stainless	US-PGPUB; USPAT	OR	ON	2008/06/11 16:19
S22	2	165/133.ccls. and tube adj sheet near3 stainless	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 16:19
S23	11	165/133.ccls. and tube near (plate or sheet) with stainless	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 16:20

S24	89	"165".clas. and tube near (plate or sheet) with stainless	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 16:22
S25	18	(US-20030066631-\$). did. or (US-4744412-\$ or US-4635711-\$ or US-4252182-\$ or US-4182408-\$ or US-6334483-\$ or US-2145877-\$ or US-4848645-\$ or US-7048042-\$ or US-4333597-\$ or US-4071083-\$ or US-4617990-\$ or US-4401153-\$ or US-4288109-\$ or US-4368694-\$ or US-4082575-\$ or US-5874178-\$ or US-4899813-\$).did.	US-PGPUB; USPAT	OR	ON	2008/06/22 14:05
S26	11	S25 and stainless	USPAT	OR	ON	2008/06/22 14:06
S27	3	S25 and stainless and ni	USPAT	OR	ON	2008/06/22 14:10
S28	1	S25 and stainless with mesh	USPAT	OR	ON	2008/06/22 14:15
S29	18	(US-20030066631-\$). did. or (US-4744412-\$ or US-4635711-\$ or US-4252182-\$ or US-4182408-\$ or US-6334483-\$ or US-2145877-\$ or US-4848645-\$ or US-7048042-\$ or US-4333597-\$ or US-4071083-\$ or US-4617990-\$ or US-4401153-\$ or US-4288109-\$ or US-4368694-\$ or US-4082575-\$ or US-5874178-\$ or US-4899813-\$).did.	US-PGPUB; USPAT	OR	ON	2008/10/09 18:41
S30	9	S29 and titanium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 18:41

S31	8	S29 and titanium and stainless	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 18:41
S32	3	S29 and titanium and stainless and "42"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 18:51
S33	7	S29 and titanium and stainless and (thick or thickness or mm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 18:55
S34	6	S29 and (tube or pipe) with (ti or zr or titanium or zirconium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/09 18:59
S36	35	"432".clas. and radiant near3 cooling	USPAT	OR	ON	2008/10/10 12:32
S37	10	"432".clas. and radiant near cooling	USPAT	OR	ON	2008/10/10 12:32
S38	11	"427".clas. and radiant near cooling	USPAT	OR	ON	2008/10/10 12:35
S39	2	432/77 and radiant near cooling	USPAT	OR	ON	2008/10/10 12:36
S40	1007	cvd and heating.clm. and cooling.clm.	USPAT	OR	ON	2008/10/10 12:38
S41	37	cvd.ti. and heating.clm. and cooling.clm.	USPAT	OR	ON	2008/10/10 12:38
S42	18	(US-20030066631-\$). did. or (US-4744412-\$ or US-4635711-\$ or US-4252182-\$ or US-4182408-\$ or US-6334483-\$ or US-2145877-\$ or US-4848645-\$ or US-7048042-\$ or US-4333597-\$ or US-4071083-\$ or US-4617990-\$ or US-4401153-\$ or US-4288109-\$ or US-	US-PGPUB; USPAT	OR	ON	2008/10/10 14:20

		4368694-\$ or US-4082575-\$ or US-5874178-\$ or US-4899813-\$).did.				
S43	2	gandolfi.in. and borders	US-PGPUB; USPAT	OR	ON	2008/10/10 14:30
S44	24	165/134.1.ccls. and 165/158.ccls. and (clad or layer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/10 14:34
S45	2718	165/134.1.ccls. manifold with clad	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/10 14:36
S46	0	165/134.1.ccls. and manifold with clad	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/10 14:36
S47	5	165/134.1.ccls. and manifold with (layer or cladding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/10 14:36
S48	2	165/134.1.ccls. and manifold with (lining)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/10 14:37
S49	14	("3001766").URPN.	USPAT	OR	ON	2008/10/10 14:37
S50	108	165/133.ccls. and (lining or clad or layer) with corrosion	USPAT	OR	ON	2008/10/10 14:39
S51	9	165/133.ccls. and (lining or clad or layer) with corrosion with (tank or shell or manifold)	USPAT	OR	ON	2008/10/10 14:39

S52	21	165/133.ccls. and (lining or clad or layer) with corrosion with (tank or shell or manifold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/10 14:39
S53	10	("3268989").URPN.	USPAT	OR	ON	2008/10/10 14:40
S54	13	("0191868"   "0970561"   "3268989").PN. OR ("4415020").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 14:41
S55	113	ceramic with lining with (manifold or header)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 14:41
S56	0	ceramic with lining with (manifold or header) and "165". clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 14:42
S57	91	ceramic with (manifold or header) and "165". clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 14:42
S58	13	ceramic with (lining or coating or coated or layer) with (manifold or header) and "165". clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 14:42
S59	17	ceramic with (lining or coating or coated or layer) with (manifold or header or tank) and "165".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 14:43
S60	45	165/133.ccls. and 165/134.1.ccls. and (manifold or header)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 14:45
S61	5	("4252182"   "4562887"   "4570701"   "4825942").PN. OR ("5181559").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 14:46

S62	15	("3182720"   "3430323"   "3630694"   "3861460"   "4010965"   "4142581"   "4221763"   "4252182"   "4287945"   "4288109"   "4509672").PN. OR ("4562887").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 14:47
S63	22	(US-20030066631-\$). did. or (US-4744412-\$ or US-4635711-\$ or US-4182408-\$ or US- 6334483-\$ or US- 2145877-\$ or US- 4848645-\$ or US- 7048042-\$ or US- 4333597-\$ or US- 4071083-\$ or US- 4617990-\$ or US- 4401153-\$ or US- 4288109-\$ or US- 4368694-\$ or US- 4082575-\$ or US- 5874178-\$ or US- 4899813-\$ or US- 3568764-\$ or US- 4488342-\$ or US- 5181559-\$ or US- 4562887-\$).did. or (US- 3001766-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/10 14:59
S64	4	S63 and mm	USPAT	OR	ON	2008/10/10 14:59
S65	13	S63 and (thick or thickness)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/10 15:03
S66	1	S63 and "316"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/10 15:07

S67	11	S63 and stainless	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/10 15:07
S68	1	S63 and sus316	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/10 15:14
S69	2	S63 and corrosion with resistant with metal with plate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/10 15:14
S70	1	S63 and corrosion with metal near plate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/10 15:16

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